

PTO/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>Submitted with IDS Feb. 12, 2004 (use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/047,169
				Filing Date	January 12, 2002
				First Named Inventor	William P. Apps
				Group Art Unit	3727
				Examiner Name	Joseph Merek
Sheet	2	of	2	Attorney Docket Number	2046

RECEIVED
FEB 20 2004
TECHNOLOGY CENTER R3700

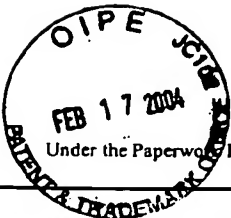
U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
J	32	6,286,701	B1	Umiker	9/11/2001	
	33	6,293,418	B1	Ogden et al	9/2001	
	34	6,398,054	B1	Overholt et al	6/4/2002	
	35	6,405,888	B1	Overholt et al.	6/18/2002	
	36	6,409,041	B1	Overholt et al.	6/25/2002	
	37	2002/0108950	A1	Moorman et al.	8/15/2002	
	38	6,460,717	B1	Smyers	10/8/2002	
	39	2003/0116564	A1	Overholt et al	6/26/2003	
	40	2003/0132228	A1	Apps, et al.	7/17/03	
	41	6,631,822	B1	Overholt et al	10/14/03	

FOREIGN PATENT DOCUMENTS								
Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
J	42	EP	0 690 003	A1	Blinstrub, Robert M.	1/3/1996		
	43	EP	0 705 764	A2	Schoeller-Plast	4/10/1996		
	44	EP	0 785 139	A1	Otto	11/12/1996		
	45	EP	0 785 142	A1	Tontarelli, Sergio	7/23/1997		
	46	WO	97/26190	A2	Otto	7/24/1997		
	47	WO	97/49613	A1	Schoeller Int.	12/31/97		
	48	EP	0 962 394	A1	Tontarelli, Sergio	12/8/1999		
	49	EP	0 962 396	A1	Tontarelli, Sergio	12/8/1999		
	50	EP	1 114 779	A2	Sanko Co.	7/11/01		
	51	EP	1 182 139	A2	Schoeller Wavin	2/27/2002		
	52	WO	02/034630	A1	Overholt, Trenton M.	5/2/2002		
	53	WO	03/078259	A1	Apps	9/25/2003		

Examiner Signature	Joseph C. Merek	Date Considered	5/14/04
--------------------	-----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-96) [MODIFIED]

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Submitted with IDS Feb. 12, 2004 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/047,169
				Filing Date	January 12, 2002
				First Named Inventor	William P. Apps
				Group Art Unit	3727
				Examiner Name	Joseph Merek
Sheet	1	of	2	Attorney Docket Number	2046

RECEIVED
FEB 20 2004
TECHNOLOGY CENTER #3700

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
J	1	3,970,209		Baxter	7/20/1976	
	2	4,081,099		Shead	3/28/1978	
	3	4,163,495		Drader	8/7/1979	
	4	4,186,841		Buckley et al.	2/1980	
	5	4,674,647		Gyenge et al.	6/23/1987	
	6	4,735,330		Hoss	4/1988	
	7	4,735,331		Keenan et al	4/1988	
	8	5,076,457		Marovskis	12/31/1991	
	9	5,398,834		Umiker	3/21/1995	
	10	5,398,835		Blinstrub	3/21/1995	
	11	5,467,885		Blinstrub	11/21/1995	
	12	5,474,197		Hillis et al	12/12/1995	
	13	5,515,987		Jacques et al.	5/1996	
	14	5,538,153		Marovskis et al.	7/1996	
	15	5,746,342		Jacques et al.	5/1998	
	16	5,788,103		Wagner, et al.	8/4/1998	
	17	5,829,617		Umiker, Hans	11/1998	
	18	5,853,099		Lessard	12/29/1998	
	19	5,938,059		Luburic	9/1999	
	20	5,975,324		Schmitt	11/1999	
	21	5,988,420		Jacques et al.	11/23/1999	
	22	6,015,056		Overholt, et al.	1/18/00	
	23	6,073,790		Umiker	6/13/2000	
	24	6,098,827		Overholt et al.	8/2000	
	25	6,189,695	B1	Ching-rong	2/20/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
J	26	DE	27 34 964	A	Friedrich, Uwe Wolfgang	2/22/79		
	27	EP	0 073 357	A2	Nespak	3/9/83		
	28	EP	0 385 914	A1	Ropak Corp	9/5/90		
	29	EP	0 404 041	A1	Tetra Pak, Inc.	12/27/90		
	30	DE	91 03 975.4	U1	Herrmann-Trentepohl et al.	4/2/91		
	31	EP	0 602 575	A2	Otto	12/13/1993		

Examiner Signature	Joseph C. Merek	Date Considered	5/14/04
--------------------	-----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.